

Global AMR Fleet Management Software Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global AMR Fleet Management Software market size was valued at US\$ 1609 million in 2025 and is forecast to a readjusted size of US\$ 3305 million by 2032 with a CAGR of 10.9% during review period.

AMR Fleet Management Software is a centralized software platform designed to orchestrate, monitor, and optimize the operations of multiple autonomous mobile robots within a facility. The software manages routing, traffic control, task allocation, fleet visibility, battery charging coordination, and safety workflows across heterogeneous robot fleets. It enables real-time coordination of AMRs and AGVs (Automated Guided Vehicles) from different vendors through a single interface, supporting cloud-based, on-premises, and hybrid deployment models. AMR fleet management software integrates with Warehouse Management Systems (WMS), Manufacturing Execution Systems (MES), and Enterprise Resource Planning (ERP) systems to enable seamless coordination between robotic fleets and broader supply chain workflows. The global average selling price for AMR fleet management software varies significantly depending on deployment model, fleet size, functionality modules, and customization requirements. The industry average gross margin is estimated at approximately 45%-65%, reflecting the high-value, technology-intensive nature of enterprise software platforms. The upstream segment includes cloud infrastructure providers (AWS, Microsoft Azure), edge computing hardware suppliers, and sensor/connectivity component manufacturers. The midstream segment comprises software platform developers and system integrators that design, deploy, and maintain fleet management solutions. The downstream segment encompasses warehouses, manufacturing plants, logistics hubs, e-commerce fulfillment centers, automotive and electronics

manufacturing facilities, and healthcare institutions that utilize AMR fleet management software for automated material handling and intralogistics operations.

The AMR fleet management software market is undergoing rapid transformation driven by the exponential growth of mobile robot deployments across warehouses, manufacturing plants, and logistics hubs. The industry is witnessing a fundamental shift from single-vendor, proprietary control systems to open, multi-vendor fleet management platforms that can orchestrate heterogeneous robot fleets from different manufacturers through a unified interface. This interoperability trend, accelerated by standardization efforts such as the VDA 5050 interface, enables enterprises to avoid vendor lock-in and flexibly scale their automation investments across multiple sites.

The integration of artificial intelligence, cloud computing, and IoT-enabled data streams is reshaping operational capabilities. AI-driven routing, real-time traffic coordination, and digital twin technology are transforming fleet efficiency, reducing downtime, and improving resource utilization. Predictive maintenance algorithms analyze data collected from AMRs to anticipate failures before they occur, while cloud-based orchestration enables centralized control of fleets distributed across geographically dispersed facilities.

This report is a detailed and comprehensive analysis for global AMR Fleet Management Software market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global AMR Fleet Management Software market size and forecasts, in consumption value (\$ Million), 2021-2032

Global AMR Fleet Management Software market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global AMR Fleet Management Software market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global AMR Fleet Management Software market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for AMR Fleet Management Software

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global AMR Fleet Management Software market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include KUKA AG, ABB Ltd., Siemens AG, OMRON Corporation, Mitsubishi Electric Corporation, MITSUBISHI LOGISNEXT Co., Ltd., Mobile Industrial Robots (MiR), Geekplus Technology Co., Ltd., Addverb Technologies Limited, OTTO Motors (Rockwell Automation), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

AMR Fleet Management Software market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Cloud-Based Deployment

On-Premises Deployment

Hybrid Deployment

Market segment by Fleet Type

Autonomous Mobile Robots (AMR)

Automated Guided Vehicles (AGV)

Hybrid Fleets (AMR + AGV)

Market segment by Platform Type

Single-Vendor Fleet Platform

Multi-Vendor Fleet Platform

Market segment by Application

Warehouses

Manufacturing Plants

Logistics Hubs

E-commerce Fulfillment Centers

Healthcare Institutions

Market segment by players, this report covers

KUKA AG

ABB Ltd.

Siemens AG

OMRON Corporation

Mitsubishi Electric Corporation

MITSUBISHI LOGISNEXT Co., Ltd.

Mobile Industrial Robots (MiR)

Geekplus Technology Co., Ltd.

Addverb Technologies Limited

OTTO Motors (Rockwell Automation)

SEER Robotics

Hai Robotics

Exotec

Symbotic LLC

Locus Robotics

6 River Systems (Shopify)

Zebra Technologies (Fetch Robotics)

GreyOrange

Berkshire Grey (SoftBank)

inVia Robotics

Dematic (KION Group)

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe AMR Fleet Management Software product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of AMR Fleet Management Software, with revenue, gross margin, and global market share of AMR Fleet Management Software from 2021 to 2026.

Chapter 3, the AMR Fleet Management Software competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and AMR Fleet Management Software market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of AMR Fleet Management Software.

Chapter 13, to describe AMR Fleet Management Software research findings and conclusion.

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